



chain nodes :

```

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 27 28 29 30 31
32 33 34 35 36 37 38 39 40 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58
59 60 61 62 63 64 65 66 67 68 69 70 74 75 76 77 78 79 80 81 82 83 111
112 113 114 115 116 117 118

```

ring nodes :

```

22 23 24 25 26 41 42 43 71 72 73

```

chain bonds :

```

1-2 1-5 2-3 3-4 3-115 3-116 4-8 4-117 4-118 5-6 5-113 5-114 6-7 6-111 6-112 7-10
8-9 11-12 12-13 14-15 15-16 17-18 17-19 19-20 20-21 23-27 26-28 29-30 29-31 29-32
31-34 32-33 35-36 35-37 38-39 38-40 44-46 45-46 46-47 48-49 48-50 50-51 52-53
52-54 54-59 55-56 55-57 57-58 60-61 60-62 63-64 63-65 63-66 67-68 67-69 67-70
74-75 75-76 77-78 79-80 79-81 81-82 82-83

```

ring bonds :

```

22-23 22-26 23-24 24-25 25-26 41-42 41-43 42-43 71-72 71-73 72-73

```

exact/norm bonds :

```

1-2 1-5 2-3 4-8 6-7 7-10 8-9 11-12 12-13 14-15 15-16 17-18 17-19 19-20 20-21
22-23 22-26 23-24 23-27 24-25 25-26 26-28 29-30 29-31 29-32 35-36 38-39 41-42
41-43 42-43 44-46 45-46 46-47 48-49 48-50 50-51 52-53 52-54 54-59 55-56 55-57
57-58 63-64 63-65 63-66 67-68 67-69 67-70 71-72 71-73 72-73 74-75 77-78 79-80
79-81 81-82 82-83

```

exact bonds :

```

3-4 3-115 3-116 4-117 4-118 5-6 5-113 5-114 6-111 6-112 31-34 32-33 35-37 38-40
60-61 60-62 75-76

```

```

G1:[*1],[*2],[*3],[*4],[*5],[*6],[*7],[*8],[*9],[*10],[*11],[*12],[*13],[*14],[*15],[*16],[*17],[*18]
,[*19]

```

Connectivity :

```

1:2 E exact RC ring/chain 2:2 E exact RC ring/chain

```

Match level :

```

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS 29:CLASS
30:CLASS

```

31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS  
39:CLASS 40:CLASS 41:Atom 42:Atom 43:Atom 44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS  
49:CLASS 50:CLASS 51:CLASS 52:CLASS 53:CLASS 54:CLASS 55:CLASS 56:CLASS 57:CLASS  
58:CLASS 59:CLASS 60:CLASS 61:CLASS 62:CLASS 63:CLASS 64:CLASS 65:CLASS 66:CLASS  
67:CLASS 68:CLASS 69:CLASS 70:CLASS 71:Atom 72:Atom 73:Atom 74:CLASS 75:CLASS 76:CLASS  
77:CLASS 78:CLASS 79:CLASS 80:CLASS 81:CLASS 82:CLASS 83:CLASS 111:CLASS 112:CLASS  
113:CLASS 114:CLASS 115:CLASS 116:CLASS 117:CLASS 118:CLASS